



DIVISION OF MINES
 BOARD OF COAL MINING EXAMINERS
 CERTIFICATION REQUIREMENTS

ELECTRICAL MAINTENANCE FOREMAN (SURFACE)

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20 (VR 480-04-2), which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: *Electrical Maintenance Foreman (Surface)

This certification authorizes the holder to:

- Perform electrical work and inspections at all surface locations of underground mines and at surface coal mines
- Make examinations on electrical equipment
- Conduct and record results of electrical examinations

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$10.00 fee 5 working days prior to examination
- A valid Electrical Repairman certification
- Three years of electrical experience as applied to surface mining or appropriately related work experience approved by the Chief of the Division of Mines
- One year credit will be granted for an electrical engineering degree, or six months credit for electrical education training from a college, technical school, or vocational school.
- Current first aid training (MSHA first aid 5000-23 acceptable)

EXAMINATION REQUIREMENTS: A score of 80% on each element of the examination

<u>ELEMENTS OF EXAM</u>	<u>NUMBER OF QUESTIONS</u>
Electrical Maintenance Foreman	50
<ul style="list-style-type: none"> ▪ Alternating Current ▪ Direct Current ▪ Circuits & Equipment ▪ Cable Splicing ▪ High Voltage ▪ Legal Requirements ▪ First Aid ▪ Gas Detection - practical demonstration ▪ Records – practical (not implemented) ▪ Practical Stations (not implemented) 	20

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RECOMMENDED REFERENCE/STUDY MATERIALS:

- Electrical Study Guide
- Coal Mine Safety Laws of Virginia
- BCME Requirements
- Title 30 CFR Part 18, 50, 71, 77
- First Aid For Miners Study Guide

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.

***8 hours Electrical Repairman continuing education will update this certification.**

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